

Welcome Message from Technical Program Co-Chairs

On behalf of the Technical Program Committee, we are delighted to welcome you to ITC 30, the 30th International Teletraffic Congress. ITC 30 takes place between September 4th -7th, 2018 in Vienna, Austria.

ITC boasts a rich tradition since its founding in 1955 and has evolved into one of the most reputable networking conferences with a particular emphasis on rigorous methodology. Over more than 50 years ITC has provided a forum for leading researchers from academia and industry to present and discuss key technological and methodological advances in the design, performance evaluation and control of communication networks, protocols and applications and in traffic measurement and management. ITC 30 continues this tradition by featuring the theme "Teletraffic in a Smart World", which is well aligned with the proliferation of the Internet of Things and the corresponding challenges to networked systems and services.

In terms of organization, ITC 30 adopted the thematic "Areas" implemented by the previous ITC conferences. Each Area was run by an individual Technical Program Committee whose expertise best suited the Area's topics. ITC 30 was structured into four regular Areas and one Demo and Poster Session.

Area 1: Performance Evaluation, Control and Optimization

Chairs: Sem Borst (TU Eindhoven, The Netherlands),
Markus Fiedler (BTH Karlskrona, Sweden),
Bruno Tuffin (INRIA Rennes, France)

Area 2: Network Measurements and Big Data

Chairs: Oliver Hohlfeld (RWTH Aachen, Germany),
Fabián Bustamante (Northwestern Univ., USA),
David Malone (Hamilton Institute, Ireland)

Area 3: Networking Architectures and Paradigms

Chairs: Andreas Kassler (University of Karlstad, Sweden),
Stefano Secci (Sorbonne UPMC, France),
Roberto Bifulco (NEC, Germany)

Area 4: Wireless and Cellular Networks

Chairs: Steven Latre (University of Antwerp, Belgium),
Albert Banchs (UC3 Madrid, Spain),
Shiwen Mao (Auburn University, USA)

Demo and Poster Session

Chairs: Michael Jarschel (Nokia, Munich, Germany),
Corinna Schmitt (Universität der Bundeswehr München, Germany)

ITC 30 attracted 46 full paper submissions across all areas and 9 demo and poster submissions. The authors of the submitted papers were from 25 different countries, out of which 79% were from Europe, 8% from the USA and Canada, 13% from Asia/Pacific and Latin America.

Each submitted full paper was reviewed by at least three experts manually assigned by the Area and TPC chairs. In special cases, when the discussion of reviewers did not converge, additional expert reviews were requested. In total, there were 156 completed reviews for the 46 submitted full papers, i.e., an average of 3.4 reviews per paper. The area chairs and

TPC members fostered discussions to converge the reviewers' recommendations towards a decision. The area chairs provided a ranked list of papers with suggestions for papers to be either accepted, rejected, or further discussed. A full-day online TPC meeting was held on May, 7th, 2018. The purpose of the online meeting was to jointly discuss the lists provided by the Area Chairs, and especially to make final decisions accounting for the Areas altogether. The TPC decided to accept 18 out of the 46 submitted full papers, with the overall acceptance rate of 39.1%. The submitted poster and demo papers were reviewed by at least three experts manually assigned by the area chairs. Based on the reviewers' recommendations and further discussions the Area and TPC chairs decided to accept 5 out of 9 submitted papers resulting in an acceptance rate for posters and demos of 55.6%.

To enhance the integration of early-stage researchers a dedicated session on doctoral dissertations related to the ITC topics was newly established. The idea of the dissertation session is to give PhD students a forum to present their PhD to a larger audience during the ITC main conference. Each of the papers received at least three reviews. Based on the recommendations of the reviewers and additional discussions by the TPC chairs, 5 papers out of 5 submitted papers were accepted.

The ITC program is complemented by four invited papers highlighting teletraffic research in the area of next generation networks and wireless networks. Each of the paper received three reviews and was discussed by Area and TPC chairs.

The accepted papers are to be presented during the main conference in a single-track format. A selection of the best papers will be published by the international scientific journal Performance Evaluation in a special issue, after being subject to an additional refereeing process according to the journal's standards.

ITC 30 was possible thanks to the significant effort of many people to whom we would like to express our sincere gratitude. Researchers submitted interesting technical papers; TPC members and reviewers ensured a high quality of the reviewing process; keynote speakers have provided additional value to the conference. We are also grateful to the members of the International Advisory Council (IAC) of the ITC for their support. We further express our special thanks to all co-chairs of the various activities and committees, and to the sponsors. We finally thank all attendees, whose participation is always essential to the success of the conference.

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Giuseppe Bianchi (University of Roma Tor Vergata, Italy)
Thomas Zinner (TU Berlin, Germany)

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